

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Norwalk Substation

Date: June 28, 2006

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: Between 1.17-2.20" of rain was recorded over 6/23-6/26 with another 0.45-1.76" on 6/28 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater-sedimentation of roadway sand is occurring here. 12/22-6/28/06.	-The area should no longer be affected by any onsite sediment. The silt fence could be removed. 12/1-6/28/06.	-N/A.
Foundation construction	-The only remaining work involves electrical testing. 6/28/06. - The bike path was extended from the station north to Broad St. 6/28/06 -The 345kV turning structure showed signs of worsening erosion at its base due to the recent storms and river flow. 6/14-6/28/06	- None at this time. Little to no soil disturbing work is occurring. 5/17-6/28/06. - Restore adjacent areas to reduce run-off. This may not be substation jurisdiction. 6/28/06 -Although this foundation continues far below ground, the erosion should be evaluated to prevent future problems. 6/14-6/28/06	-N/A. -N/A - Needs evaluation
Erosion and Sediment Controls	- Erosion on the slope of the river appears to be forming again. 6/28/06 Evaluate erosion at the 345kV turning structure. - Stone was placed around the inlet on site in an effort to filter run-off.	- Continue to monitor and attempt to make the area more natural/ vegetated if feasible. 5/25-6/28/06. - Continue to monitor to determine if this control works to reduce turbidity	-N/A -N/A

Areas of Inspection	Observation	Recommended Action	Corrected Action
	6/20-6/28/05	to the river. 6/20-28/06	
Inland Wetland and Watercourse encroachment and mitigation	- Vegetation continues to grow well along the original overflow channel. 6/28/06.	- None at this time. 6/28/06.	-N/A
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
Vegetative clearing limits (including trees to save or danger trees noted)	-Due to necessary clearing for overhead lines and the natural damage of the flood, the riverbanks to the north of site could use some vegetative growth. 5/17-6/28/06 - Landscaping efforts appear successful as grass growth continues. 6/28/06	- None at this time. Continue to monitor and consider adding seed if feasible. This is likely overhead jurisdiction. 5/17-6/28/06 - None at this time 6/28/06	-N/A N/A
Dewatering	-Dewatering was not observed during this inspection. 6/28/06.	-None at this time. 6/28/06.	-N/A.
Blasting	- Not applicable	- None at this time.	-N/A
Spills and Material Storage	- Most heavy equipment is removed from the site. 6/28/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Plumtree Substation

Date: June 28, 2006

Inspector: Don Ukers

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Between 1.17-2.20" of rain was recorded over 6/23-6/26 with another 0.45-1.76" on 6/28 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	- Work has returned to the substation so the drive is again in use for this equipment. 6/28/06.	- None at this time. 6/28/06.	-N/A.
Foundation construction	- Forms were poured as structure work continues. 6/28/06.	- Remain aware the perimeter of the yard is surrounded by wetlands. See erosion control section. 3/15-6/28/06.	-N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although the site is muddy, the perimeter stone berm remains in place. 6/28/06	- The berm must remain maintained as sediment control or be replaced with haybales and silt fence. 6/28/06	- N/A
	-A few stockpiles remain on site but are contained. by the berm. 6/28/06.	-Continue to monitor. 6/28/06.	-N/A
	-Active dewatering was not noted at the time but the site remains muddy following rains. 6/28/06.	- When necessary, utilize other methods of controlling dewatering without letting unfiltered water off-site. 6/28/06	-N/A
	-Turbid water was noted in the wetland swale at the entrance to the yard 6/28/06	- Consider placing silt fence or haybales to reduce run-off from the access rd 6/28/06	- Needs evaluation
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. 6/28/06	- Maintain perimeter berm. Vegetation adjacent to the yard is thick and helps filter run-off. 6/28/06.	N/A.
State species of concern, threatened and endangered species	- The wood turtle was seen along the outside perimeter of the station the week of 5/25/06.	- Move machinery carefully and perform daily walkdowns of the site. Watch carefully for the turtle as this is the most active time of year. 5/25-6/28/06.	-Daily walkdowns should be occurring at this point with crews remaining aware of machinery and open trenches throughout the day.

Areas of Inspection	Observation	Recommended Action	Corrected Action
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	-N/A
Dewatering	- Active dewatering was not observed at the inspection but the site is still muddy. 6/28/06.	-See erosion control section 6/28/06.	-N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 6/28/06 - Some site clean-up was noted. 6/20-6/28/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

Next likely scheduled inspection:

Wednesday, July 5, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Don Ukers



Norwalk Substation: Photo on the left shows the recently hydroseeded area near the GIS building. Grass growth continues to increase here. Watch the catch basin in this area for turbid run-off
Photo on the right shows the bike path which was continued north of the substation through the ROW to Broad St. 6/29/06.



Plumtree Substation: Photo on the left shows recently poured forms where structure work continues. Photo on the right shows turbid water pooling in the wetland swale near the entrance to the yard. Silt fence or haybales may be necessary due to run-off from the access drive. 6/29/06